MODERN

& STRIKING

Store Fronts with

FORMICA

and Bright Metal

THE FORMICA INSULATION CO. • • • CINCINNATI, OHIO

Plain Colors • Ma

SNAPPY ST

AS the loose leaf inserts show some very attractive modern store fronts are possible with Formica. There are more than 30 colors available, and three marble and a large number of other patterns. These can be installed with modernistic bright metal trim, and if it is desired decoration in bright metal can be pressed into the sheet itself.

The material is available in black on an asbestos center board and in black and all other colors on a thoroughly moisture proof press board which can be cut readily with carpenters' tools on the job.

Developments in the Formica laboratory have made it possible to provide light colors that are very stable in sunlight and will retain their original appearance for long periods.

The material is very simply and quickly erected by carpenters—with low labor costs. It is not brittle and there is no possibility of loss through breakage either before or after installation. The co-efficient of thermal expansion is very low, hence summer heat has no effect on it even when installed in the direct sun light.

This modern material produces effects of great attractiveness. It is available also for interior wainscot, counter paneling, counter tops—a store installation in complete harmony throughout is possible.

How Formica Store Fronts are Installed

Formica on asbestos 13/32″ thick overall or Formica on Hardboard 11/32″ thick overall should be used for bulkheads to withstand the more severe service which these portions of the store front receive. For the transom bar and upper panels material 5/32″ thick is sufficient. These can be installed with metal moulds, shown on the detail drawings, for trim and joint cover strips.

Asbestos material can be cut with a hack saw or metal cutting saw where fitting is required. The panels should be ordered cut as nearly to size as possible to avoid cutting on the job.

The hardboard material can be sawed with a fine tooth wood saw and can be planed and filed for fitting.

Attaching Bulkhead Material

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and slide behind the mating piece. (See drawing.) The panels can be engaged with the metal strips by sliding them horizontally into place or by sliding in place from above before the sash mould is installed.

At inside corners the material is held in place by wood screws through the surface with a spacer behind. These screws are covered by the butting panel. (See drawing).

Outside corners can be mitred but it is recommended that Formica nosing be used at this point. (See drawing.) The nosing is 1/8 of an inch thick and attached with wood screws, the panels on each side butting against the edges of the moulding. This moulding is so designed that it can be used for any angle of return. (See drawing.)

Formica on Hardboard 5/32 Thick

For transom bar and upper panels with metal trim this thinner material can be used as it will not be subject to severe bumping or wear. Various designs of metal mould are available for this trim.

Installation

The joints are laid out according to the requirements of the design and the sizes of the Formica sheet. The metal clip base is attached to wood grounds with small flat head brads. The spacing of the clip base should allow 1/16" space between the base and the edge of the panel to prevent binding and allow for expansion and contraction of the grounds.

Formica sheets should be nailed at the edges with small wire brads. Cement should be used in the center of the sheet. This is a special cement provided by the Formica Insulation Company and should be spread over the surface to which the panel is to be attached thickly enough so that it will spread well over the back of the panel. After the panels are in place the metal mould is cut to length and the dovetail base of the mould forced into the clip base to hold it in position. Joints can be mitred or butted as the conditions require.

LIST PRICES STORE FRONT MATERIAL

A very attractive modern store fronts are possible with Formica. There are more than 30 colors available, and three marble and a large number of other patterns. These can be installed with modernistic bright metal trim, and if it is desired decoration in bright metal can be pressed into the sheet itself.

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How Formica Store Fronts are Installed

Formica on asbestos 13/32" thick overall or Formica on Hardboard 11/32" thick overall should be used for bulkheads to withstand the more severe service which these portions of the store front receive. For the transom bar and upper panels material 5/32" thick is sufficient. These can be installed with metal moulds, shown on the detail drawings, for trim and joint cover strips.

Asbestos material can be cut with a hack saw or metal cutting saw where fitting is required. The panels should be ordered cut as nearly to size as possible to avoid cutting on the job.

The hardboard material can be sawed with a fine tooth wood saw and can be planed and filed for fitting.

Attaching Bulkhead Material

The 13/32" and 11/32" material can be attached with concealed fasteners as shown on the detail drawing or with screws through the surface of the material. These screws can be flat head wood screws countersunk below the surface, and the hole filled with mastic, or they can be oval head screws flush with surface as shown on the drawing. Screws should be spaced not more than 30 inches apart.

Concealed Fastenings

There is available, as shown on the drawings, a method of attaching with concealed fasteners, which eliminates all screws or visible means of attachment from the front surface. This hardware can be attached on the job by use of a hand or electric drill and a screw driver, or it can be attached at the factory if the location of grounds or framing is given.

Small offset washers are attached to the rear sides of the material with self-tapping screws. A hole is drilled 9/32" deep into the rear side of the material using a number 34 drill with a spacer on it to prevent drilling through the face side. The screw is driven with an ordinary screw driver and taps its own thread into the material.

The offset washer engages the metal strip which is attached to the wood grounds or framing. These strips are provided with holes for wood screws or nails. The strips and washers are used at both ends of the panels and also at intermediate points on long lengths. The washers are spaced about 12" apart vertically and 36" apart horizontally. Where a joint is necessary a special type of strip and joint is used. A metal strip, extending half an inch beyond the edge panel, is attached to panel edge that comes at the joint. This strip is recessed at intervals to receive a wood screw or nail to hold the panel securely to the wood grounds or framing. The next panel has flat washers attached which extend beyond the edge of the panel

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For transom bar and upper panels with metal trim this thinner material can be used as it will not be subject to severe bumping or wear. Various designs of metal mould are available for this trim.

Installation

The joints are laid out according to the requirements of the design and the sizes of the Formica sheet. The metal clip base is attached to wood grounds with small flat head brads. The spacing of the clip base should allow 1/16″ space between the base and the edge of the panel to prevent binding and allow for expansion and contraction of the grounds.

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LIST PRICES STORE FRONT MATERIAL

ASBESTOS MATERIAL

Black only, full sheets, 36″ x 42″, 36″ x 60″ or 36″ x 84″, 13/32″ thick, $2.10 per sq. ft.; 9/32″ thick, $2.00 per sq. ft. Cut smaller than full sheets but larger than 12″ x 12″: 13/32″, $2.41 per sq. ft.; 9/32″, $2.30 per sq. ft.

Cut smaller than 12″ x 12″ add 15 percent to prices for sizes 12″ x 12″ or larger.

HARDBOARD MATERIAL

Full sheet sizes, *standard colors:* 5/32″ thick, finished one side, $.80 per sq. ft.; finished two sides, $.90 per sq. ft. *Special and Solid Colors:* Finished one side, $1.00 per sq. ft.; finished two sides, $1.10 per sq. ft. Cut sizes 12″ x 12″ or larger. *Standard Colors,* finished one side, $1.02; finished two sides, $1.12. *Special and Solid Colors:* Finished one side, $1.20 per sq. ft.; finished two sides, $1.30 per sq. ft. *Full sheet sizes* 11/32″ and 9/32″ hardboard. *Standard Colors:* Finished one side, $.94; finished two sides, $1.04. *Special and Solid Colors:* Finished one side, $1.14; finished two sides, $1.24. Cut sizes 12″ x 12″ or larger. *Standard Colors:* Finished one side, $1.14; finished two sides, $1.24. *Special and Solid Colors:* Finished one side, $1.34; finished two sides, $1.44.

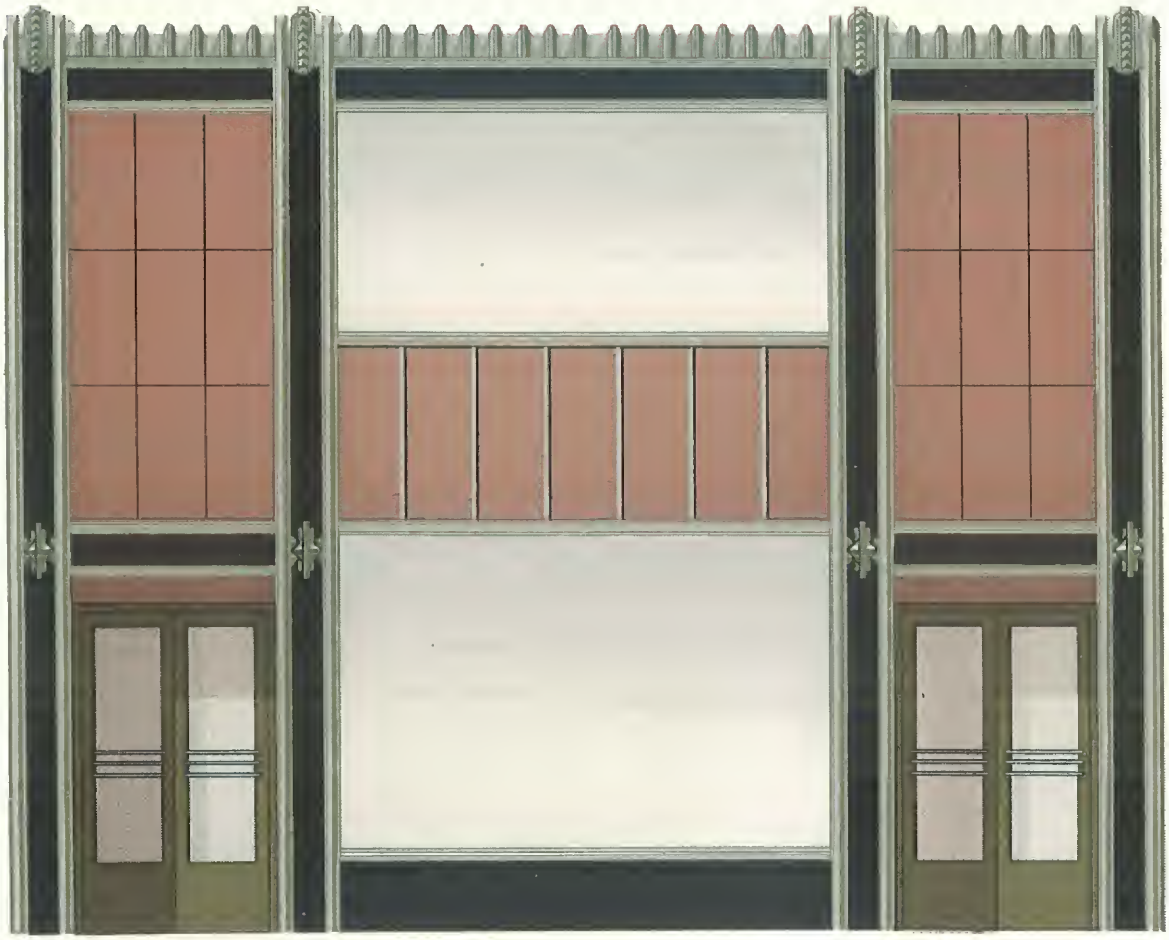
Add 15 percent to cut to size prices for pieces narrower than 12″.

List prices on bright metal trim mouldings range from 44 to 68 cents per lineal foot depending on quantity and design.

THE FORMICA INSULATION CO.

4613 Spring Grove Avenue **CINCINNATI, O.**

FORMICA



DESIGN No. 2

Design No. 2 shows rose and black Formica used with metal trim. The black material can be on asbestos or 11/32″ thick hardboard while the rose colored material must be on either 11/32″ or 5/32″ hardboard. The vertical panel strips can be standard panel trim as shown on detail drawing. The other metal shapes shown cannot be furnished by Formica Insulation Co.

FORMICA

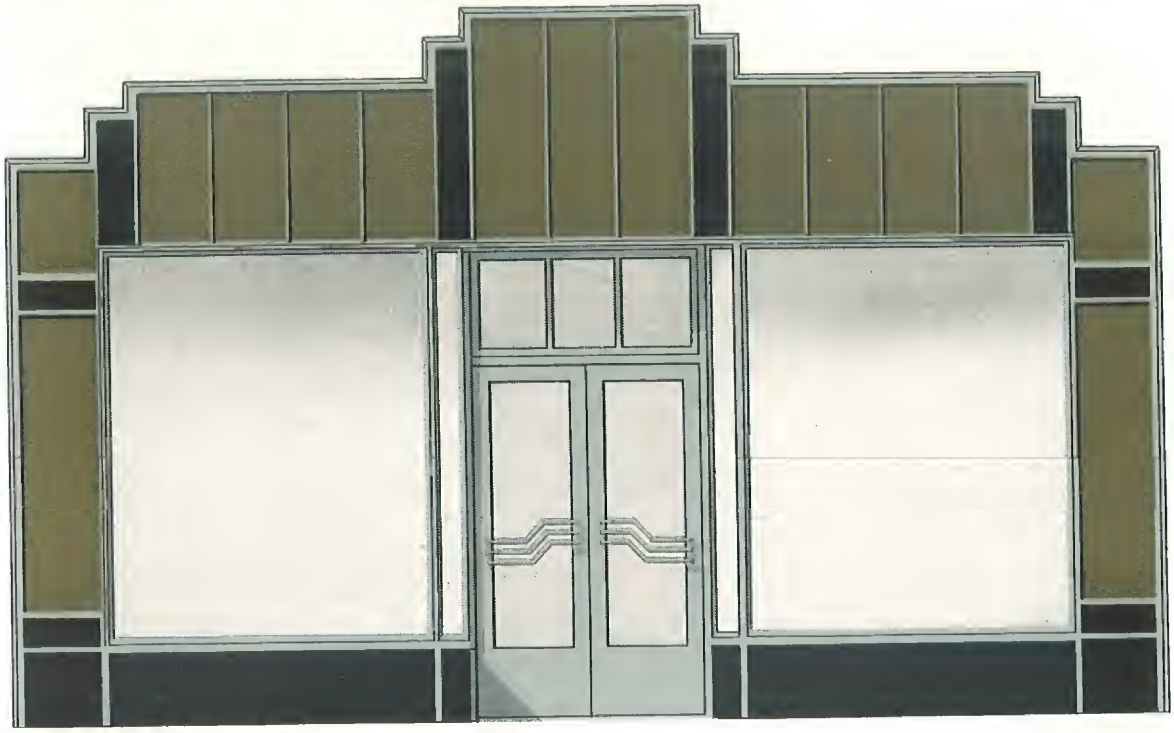
DESIGN No. 1

Design No. 1 shows Formica used with metal trim. The black Formica bulkhead can be on asbestos or 11/32″ hardboard. The terra cotta material around window should be 11/32″ hardboard or if completely backed it can be on 5/32″ thick hardboard. The tan material above can be 5/32″ thick hardboard. The design over doorway can be a metal grille or metal inlay on the Formica material. The metal moulds shown cannot be furnished by Formica Insulation Company.

FORMICA

DESIGN No. 3

Design No. 3 shows orange and black with metal trim. The metal moulds shown on detail drawing can be used for all the metal trim shown. 5/32″ or 11/32″ hardboard material should be used. Solid backing must be used behind the 5/32″ material.

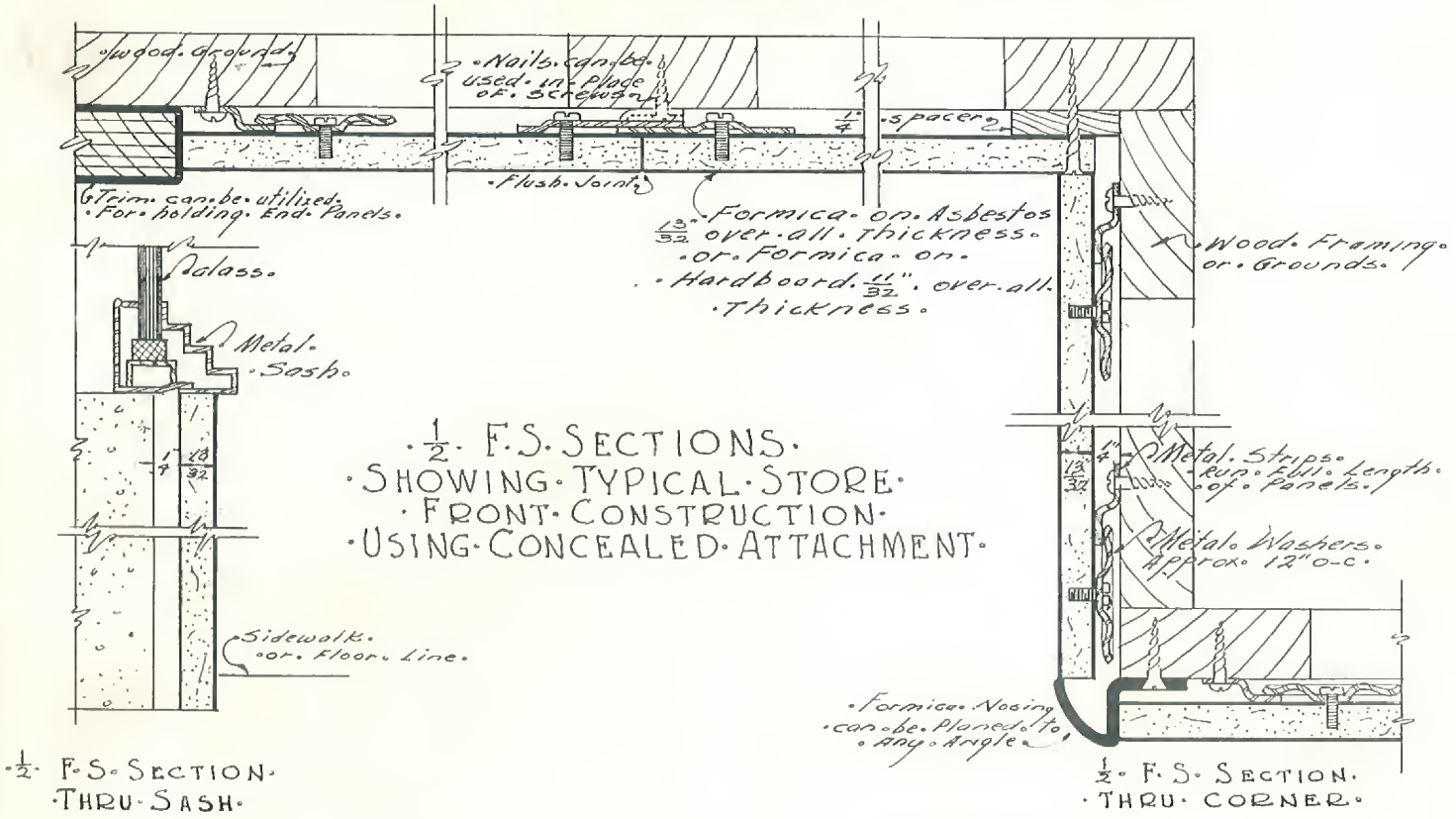


DESIGN No. 4

Design No. 4 also shows Formica with metal trim. The narrow panel strips shown are the same as shown on detail drawings. The wider metal shapes shown cannot be furnished by the Formica Insulation Company. Material should be 11/32″ or 5/32″ Formica. The black bulkhead sections can be on asbestos if desired.

FORMICA

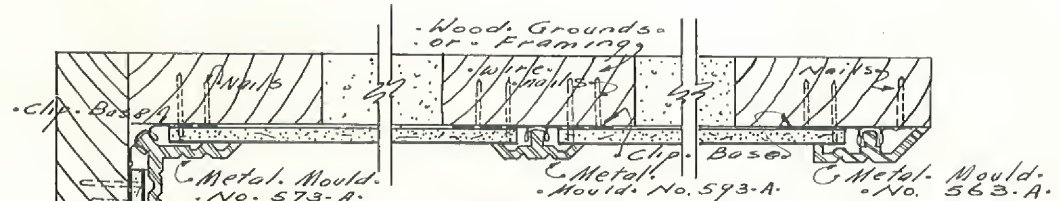
CONSTRUCTION DETAILS



½ F.S. SECTIONS. SHOWING TYPICAL STORE FRONT CONSTRUCTION USING CONCEALED ATTACHMENT

½ F.S. SECTION. THRU SASH.

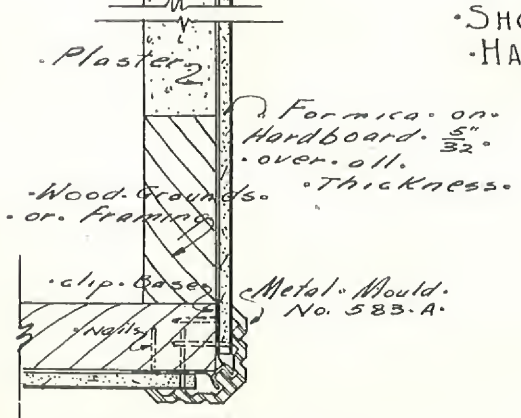
½ F.S. SECTION. THRU CORNER.



INSIDE CORNER SECTION.

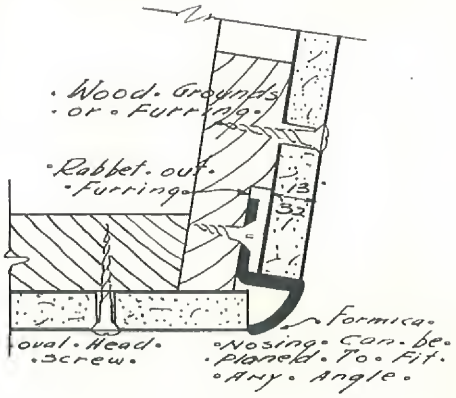
PANEL SECTION.

END SECTION.



½ FULL SIZE SECTIONS. SHOWING FORMICA ON HARDBOARD 5/32" THICK WITH METAL TRIM AS USED AT TRANSOM BAR.

OUTSIDE CORNER SECTION.



½ FULL SIZE SECTION. AT CORNER SHOWING FORMICA ATTACHED WITH OVAL HEAD SCREWS.